

FIG. 1

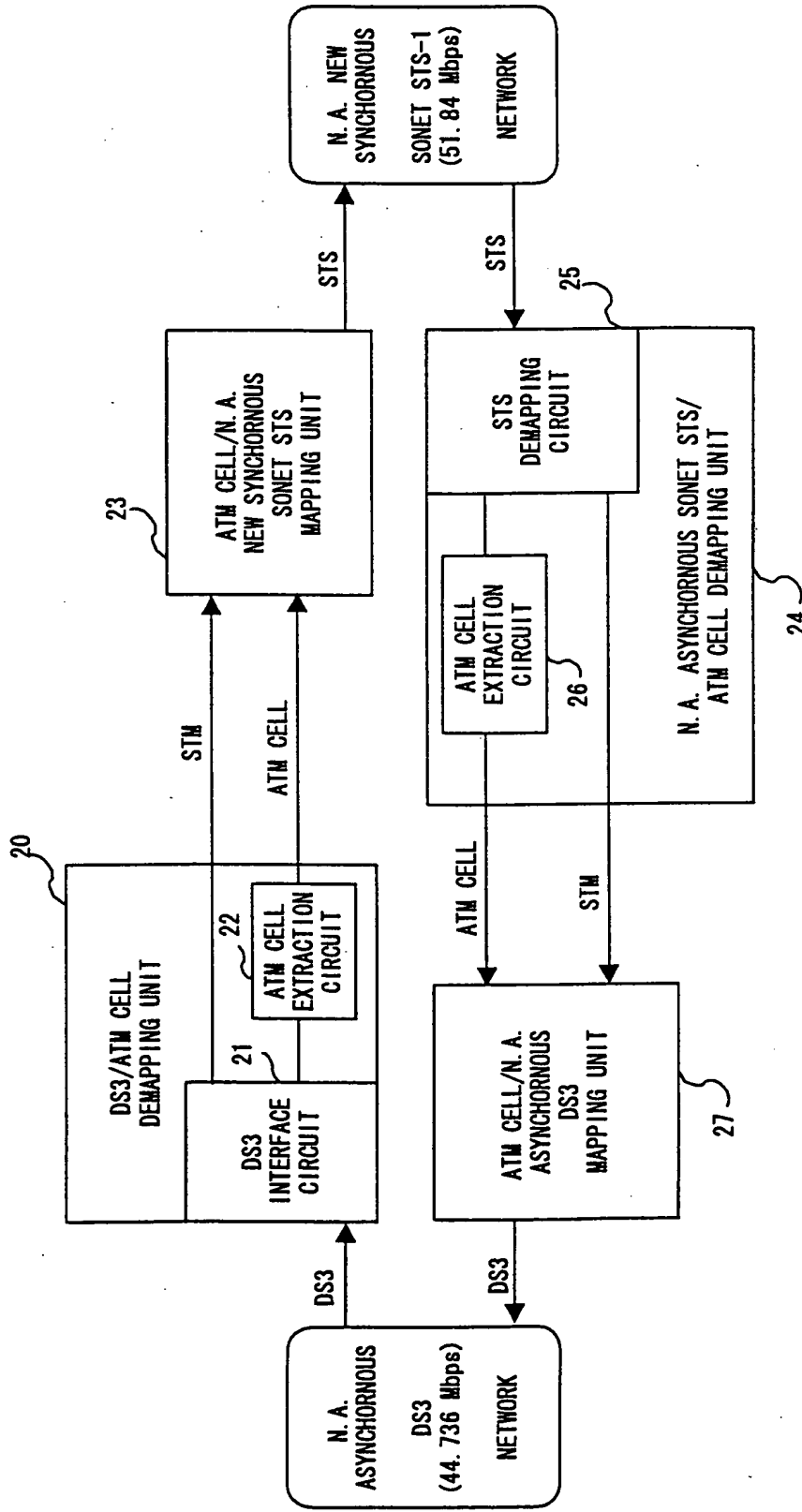


FIG. 2

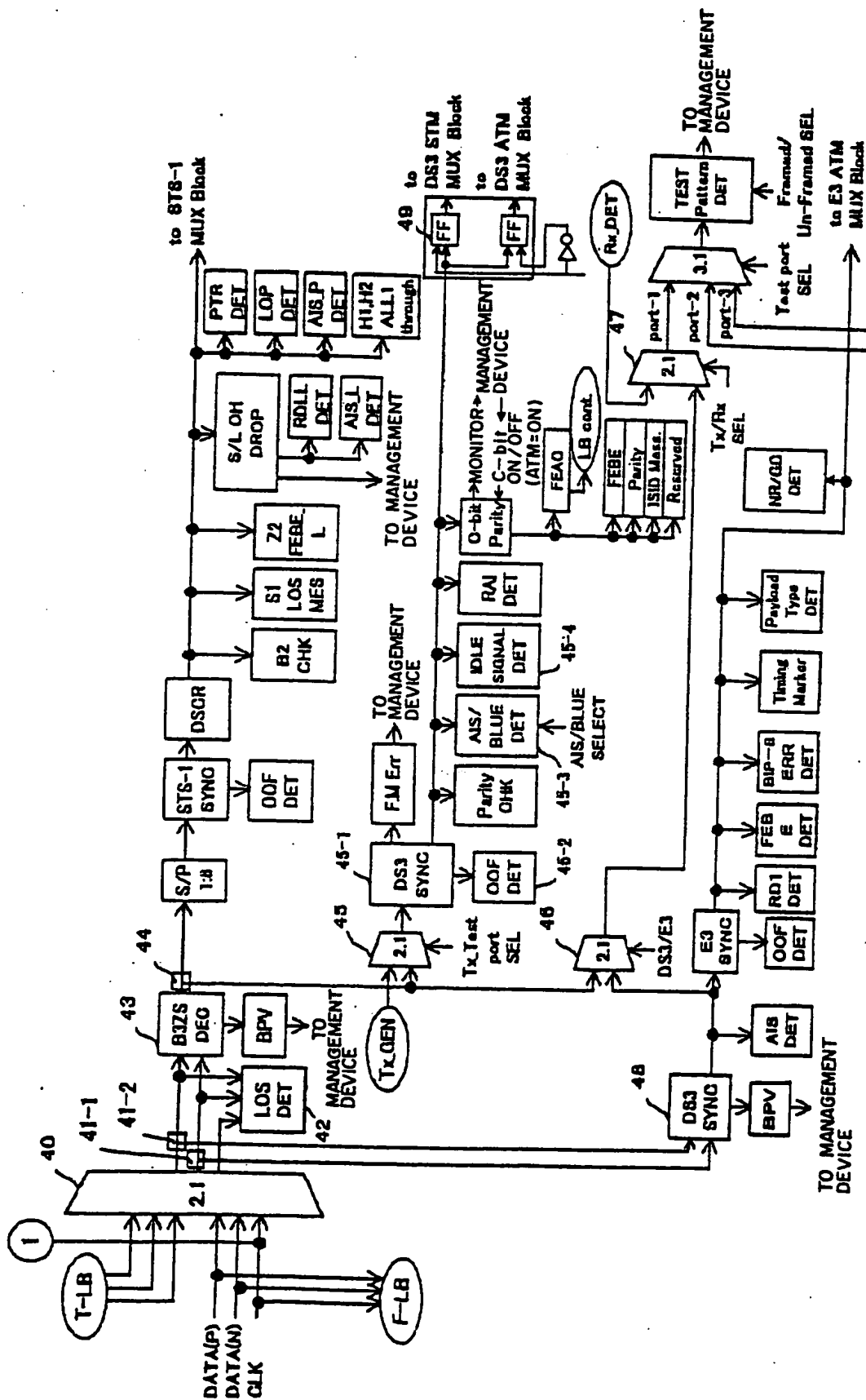


FIG. 4

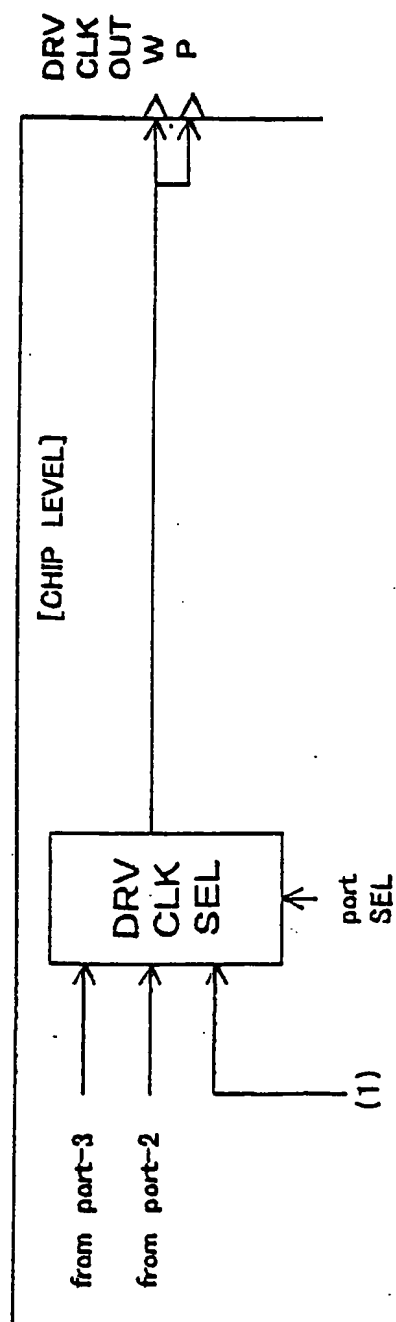
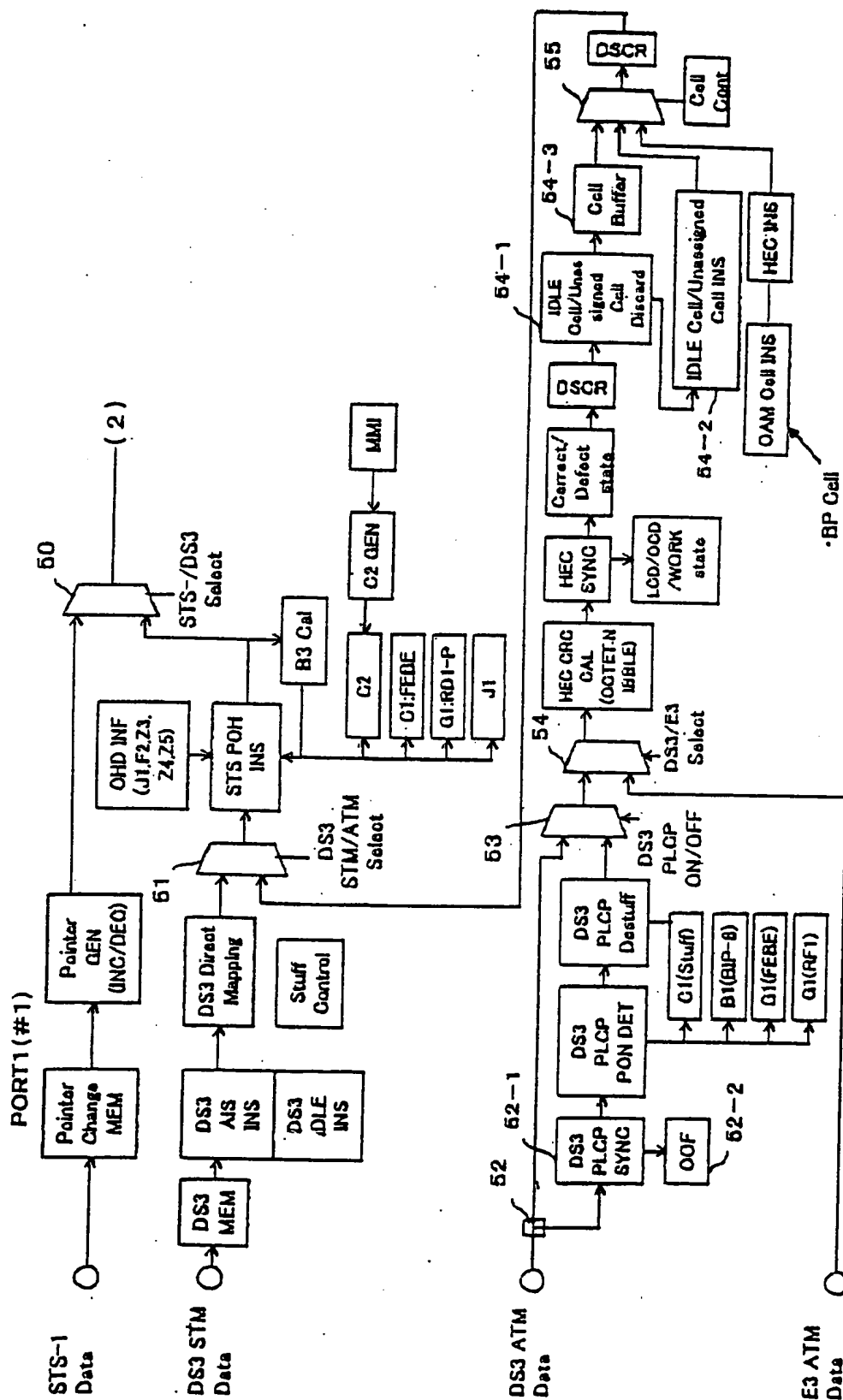


FIG. 5



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Frame Format		C-bit											
Rx DS3 SEL		Idle											
AIS SEL		Blue											
STSSEL		Ones						Blue					
Detecting Alarm/ Output Signal Format		through		PDI-P		through		AIS-P		through		AIS-P	
		Alarm	STS Format	Alarm	STS Format	Alarm	STS Format	Alarm	STS Format	Alarm	STS Format	Alarm	STS Format
DS3 Rx Sin DWN		Rx LOS	Discard	Rx LOS	AIS-P	Rx LOS	PDI(1)	Rx LOS	Discard	Rx LOS	AIS-P	Rx LOS	PDI(1)
DS3 Rx00FConv=0		Rx LOF	Discard	Rx LOF	AIS-P	Rx LOF	PDI(1)	Rx LOF	Discard	Rx LOF	AIS-P	Rx LOF	PDI(1)
Rx 00		Rx LOF	Discard	Rx LOF	AIS-P	Rx LOF	PDI(1)	Rx LOF	Discard	Rx LOF	AIS-P	Rx LOF	PDI(1)
Rx00FConv=1		Rx AIS	Discard	Rx AIS	AIS-P	Rx AIS	PDI(1)	Rx AIS	Discard	Rx AIS	AIS-P	Rx AIS	PDI(1)
All Ones		Rx AIS	Discard	Rx AIS	AIS-P	Rx AIS	PDI(1)	Rx AIS	Discard	Rx AIS	AIS-P	Rx AIS	PDI(1)
Rx00FConv=1		Rx AIS	Discard	Rx AIS	AIS-P	Rx AIS	PDI(1)	Rx AIS	Discard	Rx AIS	AIS-P	Rx AIS	PDI(1)
Blue		Rx LCD	Discard	Rx LCD	AIS-P	Rx LCD	PDI(1)	Rx LCD	Discard	Rx LCD	AIS-P	Rx LCD	PDI(1)
Rx00FConv=0		Rx LCD	Discard	Rx LCD	AIS-P	Rx LCD	PDI(1)	Rx LCD	Discard	Rx LCD	AIS-P	Rx LCD	PDI(1)
Rx00FConv=1		Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PDI(1)	Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PDI(1)
DS3		Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PDI(1)	Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PDI(1)
Rx Idle		Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PDI(1)	Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PDI(1)
Rx00FConv=1		Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PDI(1)	Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PDI(1)
RxPLCP00F(PLCP mode)		PL OOF	Discard	PL OOF	AIS-P	PL OOF	PDI(1)	PL OOF	Discard	PL OOF	AIS-P	PL OOF	PDI(1)
RxLCD		Rx LCD	Discard	Rx LCD	AIS-P	Rx LCD	PDI(1)	Rx LCD	Discard	Rx LCD	AIS-P	Rx LCD	PDI(1)
Unit OOS		Ones-P	Ones-P	Ones-P	Ones-P	Ones-P	Ones-P	Ones-P	Ones-P	Ones-P	Ones-P	Ones-P	Ones-P
Facility OOS		Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard
Facility Loopback		Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard	Discard
Terminal Loopback...		through	through	through	through	through	through	through	through	through	through	through	through

Note: Discard: All of cells are discarded, and Idle cell or Unassigned cell are automatically generated.

PDI(1): Inside signal is Idle cell or depending on software setting.

through: DS3 signal passes through

STSSD-PDI mode isn't used for ATM mode, and is used for only STM mode.

PL OOF= Rx PLCP OOF detection

....: when high layer alarm (BIF-LOS, BIF-OF, AIS-P, UNEQ-P, PLM-P) or DS3 alarm(Tx, All Ones, Tx Blue, Tx Idle)

or Tx LCD is detected during T-LB execution, DS3 data from Down-BIF-side does not through to Up-BIF-side.

Because, DS3 data is converted according to conversion Table.

There are two conversion for Down-stream-side(Table 10.2.6) and Up-stream-side(Table 10.2.5).

FIG. 7

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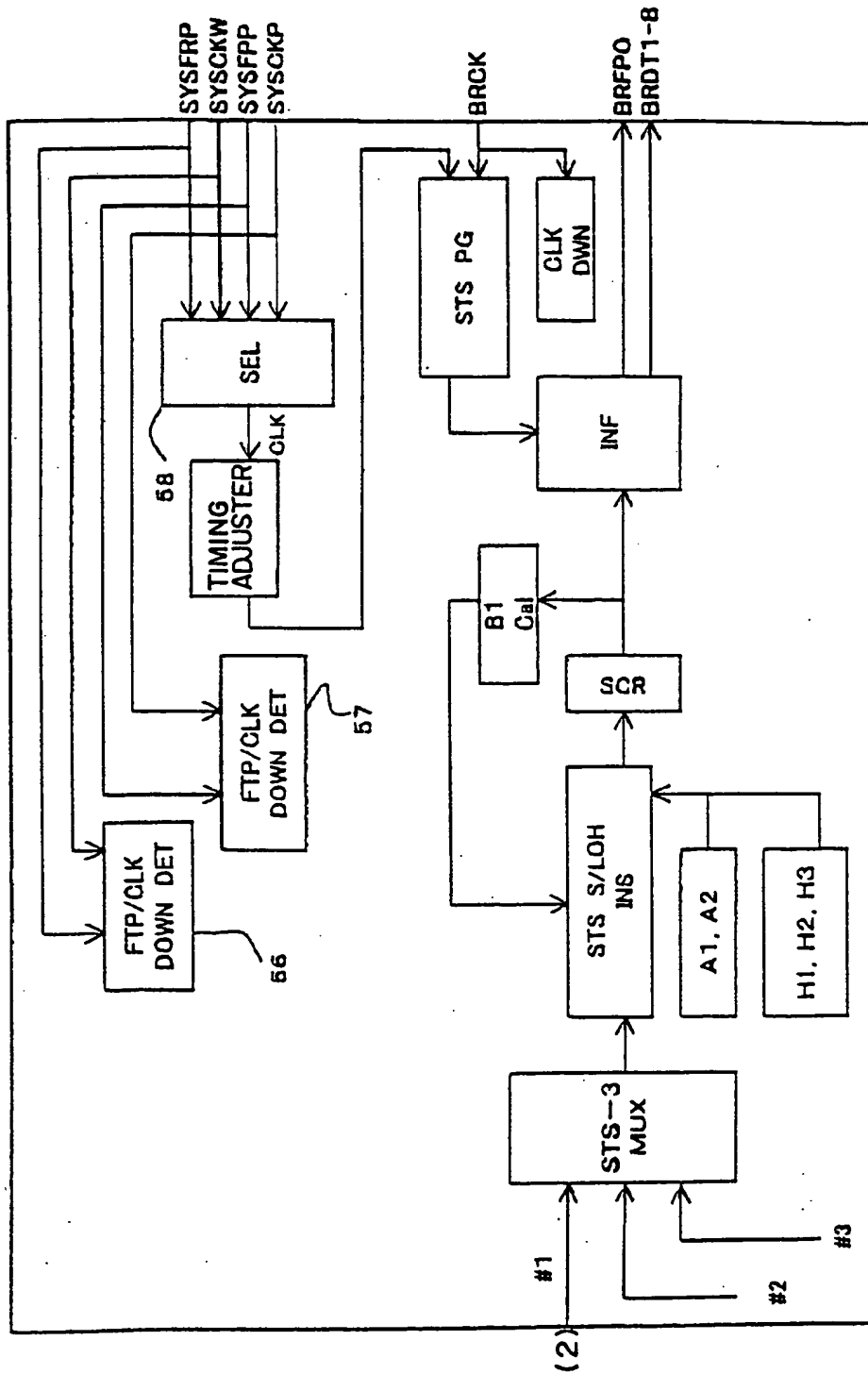


FIG. 9

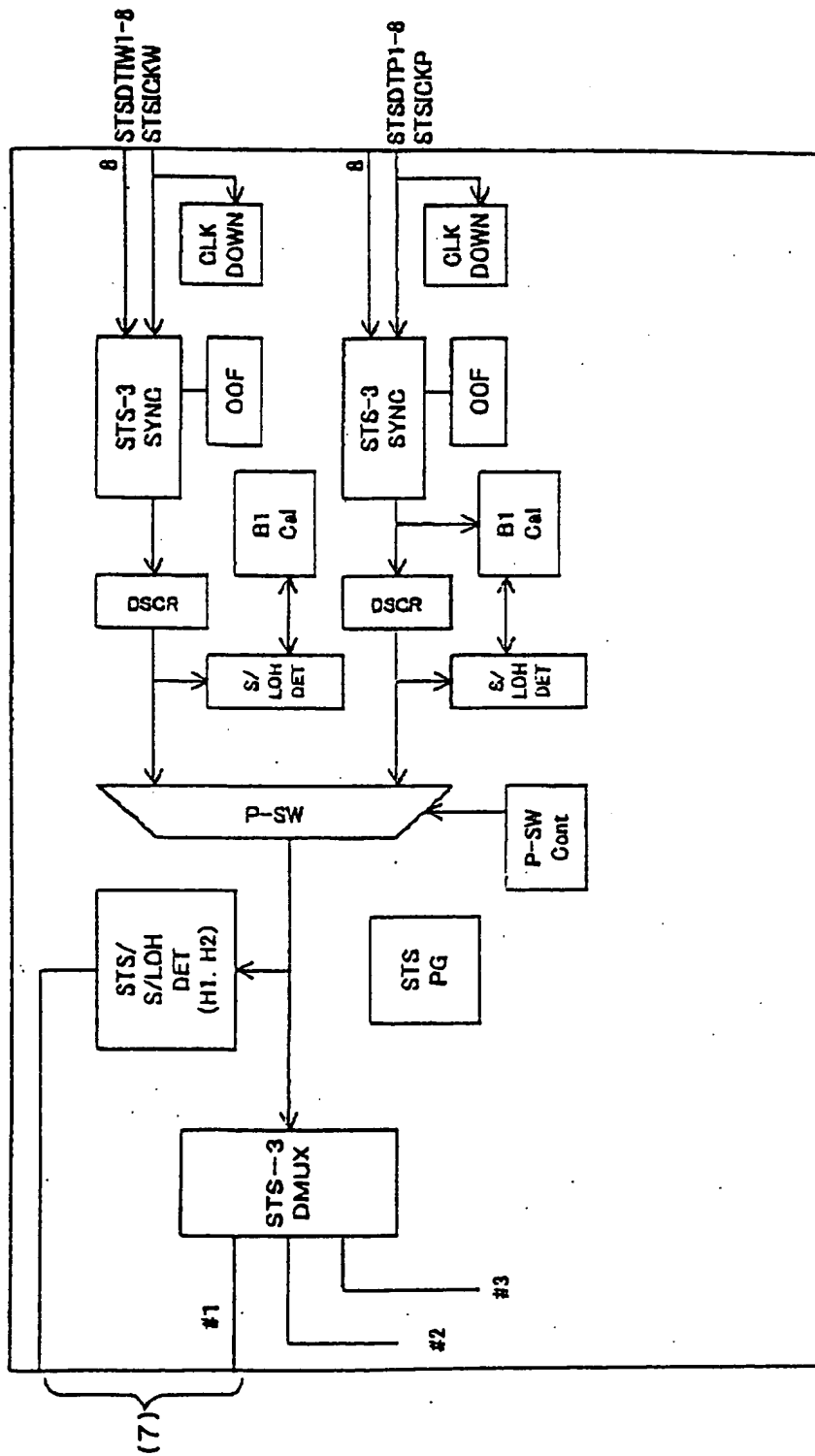


FIG. 10

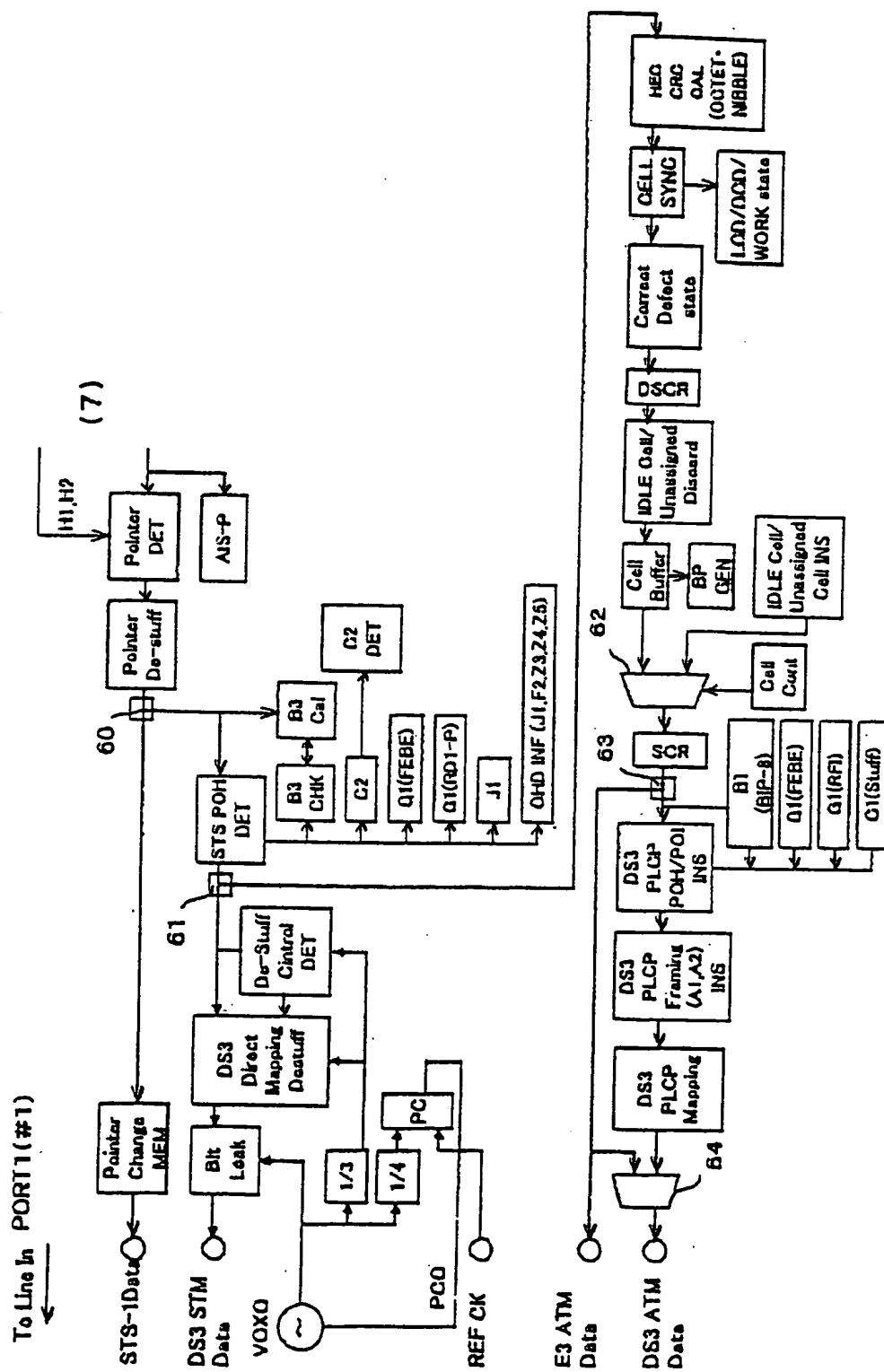


FIG. 11

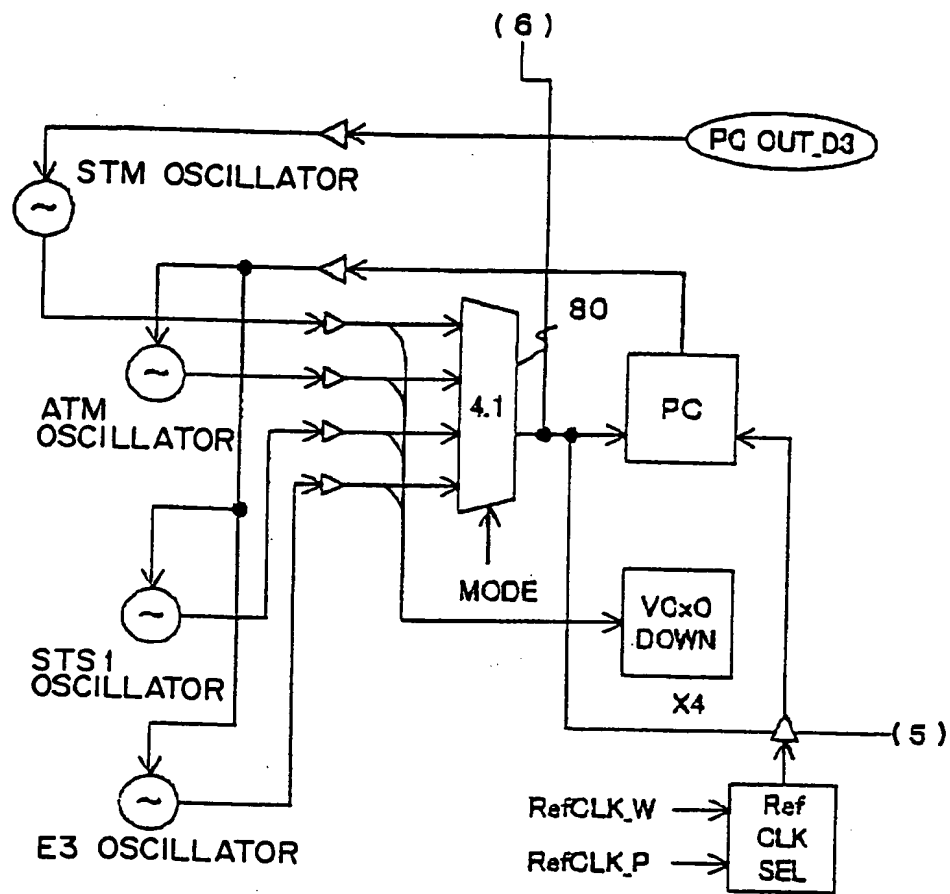


FIG. 13

